SOUNDINGS IN FATHOMS

18448

Formerly C&GS 6460, 1st Ed., June 1951 C-1921-214

CAUTION
CHANGES in BUOYAGE
Mariners are advised that authorized aids to navigation are being changed to conform to maritime standards of the International Association of Lighthouse Authorities Maritime Buoyage System, Region B. Significant changes are: black port hand buoys to green; black and white vertically striped buoys to red and white vertically striped buoys; and lateral lights from white to red or green as appropriate. Changes to aids to navigation will be announced in the Defense Mapping Agency Hydrographic/Topographic Center weekly Notice to Mariners and the U.S. Coast Guard Local Notice to Mariners.

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 13th Coast Guard District in Seattle, Wash., or at the Office of the District Engineer, Corps of Engineers in Seattle, Wash.
Refer to charted regulation section numbers.

NOTE B
Mariners are cautioned that the Washington State Ferries may deviate from the published standard routes due to inclement weather, traffic conditions, navigational hazards or other emergency conditions.

LOCAL MAGNETIC DISTURBANCE
Differences of as much as 3° from the normal variation have been observed along Henderson Inlet.

COLREGS, 80.1395 (see note A)
International Regulations for Preventing Collisions at Sea, 1972.
The entire area of this chart falls seaward of the COLREGS Demarcation Line.

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

NOAA VHF-FM WEATHER BROADCASTS
The National Weather Service stations listed below provide continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.
Seattle, Wa. KHB-60 162.55 MHz
Olympia, Wa. WXM-62 162.475 MHz

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free) or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

STORM WARNINGS
The National Weather Service displays storm warnings at the following approximate locations:
Port Defiance Boathouse (47°18.4'-122°31')
Des Moines Small Boat Harbor (47°24.1'-122°19.9')

CABLE AREAS
See the larger scale charts for the cable areas within their limits. They are not all shown on this chart.

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

23rd Ed., June 3/89 ■
18448

CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic/Topographic Center and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left hand corner.

NOAA nautical charts are constructed to exacting standards and are designed to promote safe navigation. Since our waterways are subject to continual change, the National Ocean Service encourages chart users to submit corrections or comments for the improvement of this product to the Director, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852. By working together, we can make our activities safer and more enjoyable.
Thomas J. Maginnis
Assistant Administrator for Ocean Services and Coastal Zone Management

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

C 55.418/7: 18448

best copy available

Formerly C&GS 6460, 1st Ed., June 1991 C-1921-214

(Puget Sound, Southern Part)

SOUNDINGS IN FATHOMS - SCALE 1:80,000

SOUNDINGS IN FATHOMS

18448

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. Additions or revisions to Chapter 2 are published in the "Notices to Mariners." Information concerning the regulations may be obtained at the Office of the Commander, 13th Coast Guard District in Seattle, Wash., or at the Office of the District Engineer, Corps of Engineers in Seattle, Wash.

Refer to charted regulation section numbers.

NOTE B

Mariners are cautioned that the Washington State Ferries may deviate from the published standard routes due to inclement weather, traffic conditions, navigational hazards or other emergency conditions.

LOCAL MAGNETIC DISTURBANCE

Differences of as much as 3° from the normal variation have been observed along Henderson Inlet.

COLREGS, 80.1395 (see note A)

International Regulations for Preventing Collisions at Sea, 1972.

The entire area of this chart lolls seaward of the COLREGS Demarcation Line.

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

NOAA VHF-FM WEATHER BROADCASTS

The National Weather Service stations listed below provide continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.

Seattle, Wa. KHB-60 162.55 MHz
Olympia, Wa. WXM-62 162.475 MHz

STORM WARNINGS

The National Weather Service displays storm warnings at the following approximate locations:

Port Defiance Boathouse (47°18.4'-122°37')
Des Moines Small Boat Harbor (47°24.1'-122°19.9')

CABLE AREAS

See the larger scale charts for the cable areas within their limits. They are not all shown on this chart.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 7 for important supplemental information.

CAUTION

Only marine radiobeacons have been calibrated for surface use. Limitations on the use of certain other radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and Defense Mapping Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:
⊙(Accurate location) ○(Approximate location)

HEIGHTS

Heights in feet

AUTHORITIES

Hydrography and topography by the National Ocean Service, Charting and Geodetic Services with additional data from the Corps of Engineers, Geological Survey, U.S. Coast Guard, and Department of the Navy.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum 1983 (NAD 83) and for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.044" southward and 4.44"* westward to agree with this chart.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

TIDAL INFORMATION

Place	(Lat/Long)	Heights referred to datum of soundings (MLLW)			
		Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
		feet	feet	feet	feet
Seattle	(47°36'N/122°20'W)	11.4	10.5	2.8	4.7
Bremerton	(47°33'N/122°38'W)	11.7	10.8	2.8	4.5
Tacoma	(47°17'N/122°25'W)	11.8	10.9	2.8	4.5
Steilacoom	(47°10'N/122°36'W)	13.1	12.2	2.8	4.5
Olympia	(47°03'N/122°54'W)	14.4	13.5	3.0	4.5
Shelton	(47°13'N/123°05'W)	14.2	13.2	2.6	4.5
Union	(47°21'N/123°06'W)	11.8	10.8	2.9	4.5

(1288)

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)

Aids to Navigation (lights are white unless otherwise indicated):

AERO aeronautical, Al alternating, B black, Bn beacon, C can, DIA diaphone, F fixed, Fl flashing, G green, Gp group, IQ interrupted quick, Iso isophase (E Int), LT HO lighthouse, M nautical mile, m minutes, MICRO TR microwave tower, Mkr marker, Mo morse code, N nun, OBSC obscured, Oc occulting, Or orange, Q quick, R red, Ro Ref radar reflector, R Bn radiobeacon, R TR TR radio tower, Rot rotating, s seconds, SEC sector, SI M statute miles, VQ very quick, W white, WHIS whistle, Y yellow

Bottom characteristics:

Bldr boulders, bk broken, Cy clay, Co coral, gy grey, Grs grass, h hrng, M mud, Oys oysters, Rk rock, S sand, so soft, Sh shells, sy sticky

Miscellaneous:

AUTH authorized, Obstn obstruction, PD position doubtful, Subm submerged, ED existence doubtful, PA position approximate, Rep reported, ⚓ Wreck, rock, obstruction, or shoal swept clear to the depth indicated. (2) Rocks that cover and uncover, with heights in feet above datum of soundings.

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

WARNING
Mariner will not rely solely on any navigation, particularly on floating Coast Guard Light List and U.S.

best copy available